Figure

Figure 1a

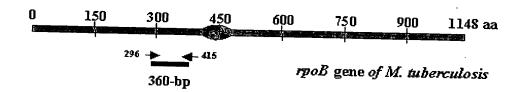


Figure 1b

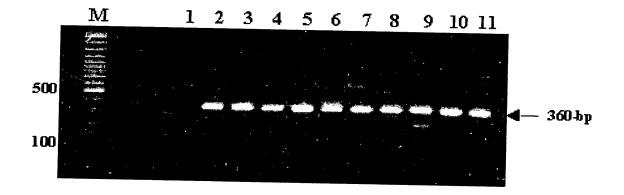


Figure 2a



Figure 2b

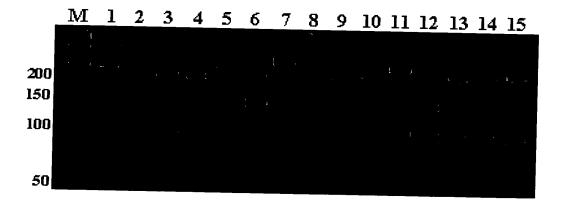


Figure 3a

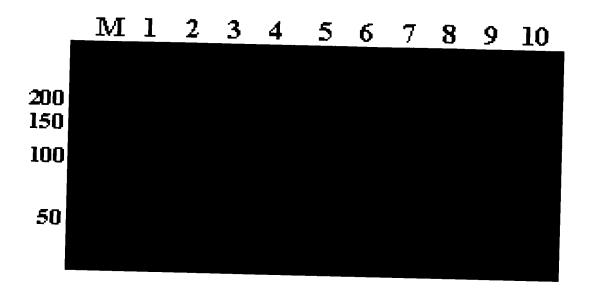


Figure 3b

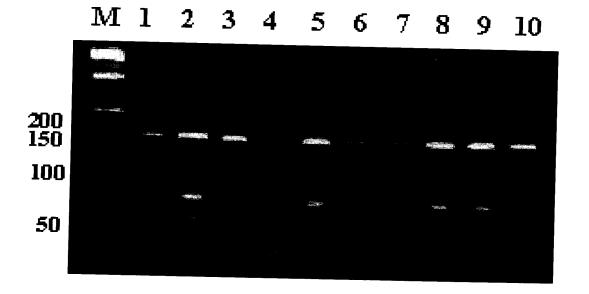


Figure 3c

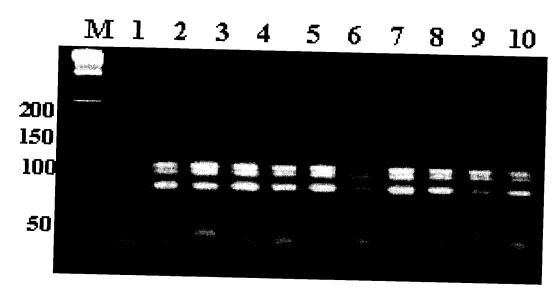


Figure 4

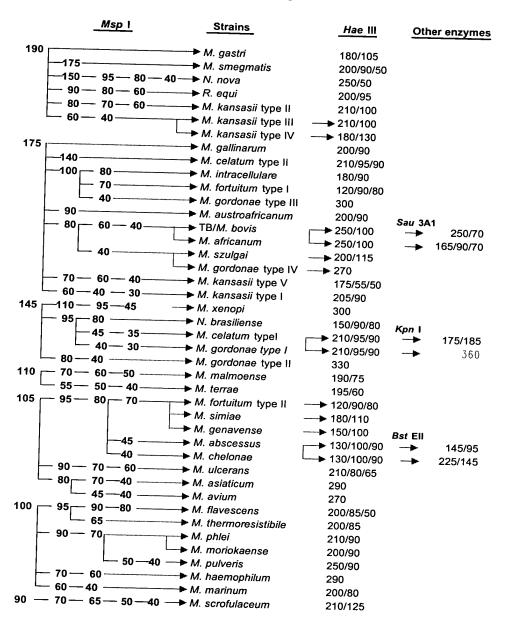


Figure 5

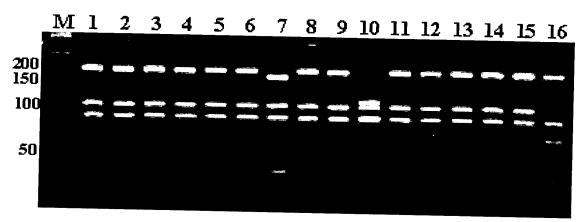


Figure 6a

:	1 10	20 3	30	€ 1	50	99	20	80	96	100	110
N.gordonaeIY N.gordonaeI	TCAAGGAGAAGGCCC	CARGAGARACCOCTACGACCTGGCCCGTGTCGCCGCTRCARGGTCARCARGARGCTGGGCCTGCATGT CARGAGARACCCTACGACTTRACTCTGGCTGCGCTGCTACGGCGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	GTCGGCCGC	FICHREGT(CHRCANGARGC	TGGGCCTGC	; ;	CG-GCGRTCCGRTCRCCR	TCRCC#-		-6CTGACCGAI
M.gordonacIII	TCHAGGAGAGGCCC	CONGGOONGCCCTOCCOCCTOCCCCCCTOCCCCCCTOCONGGOOTHANKING I CAGCT I Programment in the cagcocct of	GTCGCCGCT	COCONGETO	CONCONCINC	I CAGCCTGCI		·CS-GCGATCCGATCACCA. ·CS-GCGATCCGATCACCA.	TCACCA	GCTCCRC	-GCTGACCGA)
M.intracellulare	TCHAGGAGAAGCGC	CARGORGARGCOTTACATOTTARGATACATACATACATACAACATAAAAAAAAAAAAAA	STCGGCGCT	HCRAGGTO	THACARGAREC	TCGGCCTGC	1	CG-GTGAGCCGATCACCA	ITCRCCR		-GCTGACCGAI
M.gordonaeII	TCOAGGAGAAGGGC	CONGGOODNGCGCTACGACCTGGCCGGGTGGGCCGCTACANGALLANATHUL LUBLL LUBLCTGGTCTGACTCTGACTTGACTTGACTTGACTTGACTTG	GTGGGCCGCT	TOCHNOC TO	THICH MENTED C	CCCTCTCAL	1 1	OG-GCGAGCCGATCACCA OG-GCOAGCCGATCACCA	TCACCA	GCTCGAC	-6CTGRCCGRI
M.ulcerans	TCARGGRGARGCGC	CARGGRGAAGCGCTACGACCTGGCTCGCGTCGGCCGTTACARGGTCAAAAAACGCTCGGTCTGAACGT-	3TCGGCCGTT 3TGGGTCGGT	PCRAGGTC	PACAPABABEC	CGGTCTGA	1	СБ-БССЯВССВЯТСЯССЯ	TCRCC#-		-cc i Gilecelli -GCTGRECGRI
M.narinun	TCONGGNGNGCGC	CINGGOGNGCGCTNCGNCTGGCCGGGTGGGCCGTNCNNGN CANCINGN CANCINGN CANCINGN COLOGCTGGCCTGNCGC	TGGGCCGGT	CONCETC	INCINCINCINCO	CCCCCTCAL	1	CG-GCCRGCCCATCACCA CG-GCCRGCCCATCACCA	TCACCA	CCTCGRC	-GCTGRCCGR
M.fortuitum	TCARGGAGARGCGC	CARGGAGARGCGCTACGACL BOLLLUCU LUGLUGU HURRGGTGARCAGAGACTGGGCCTGARCGC CARGGAGARGCGCTACGACT GGCCCGCGTGGGCCGCTACARGGTCARCAGAGATGGACTTGARCAC)	HCHHGGTC ACARGGTC	AACAAGAAGC1 Aacaacaagc1	GGGCCTGR		CG-GCCRGCCGATCRCGT	TCACGT		CCTGRCCGR
M. genavens		THIS GOOD TO CONTROLL TO CONTROLL TO CONTROLL TO THE CONTROL TO T	TOGGCCCCT	nchagere	nncnncancer	GGGCCTGN		CS-GCCAGCCGMCACGI	TCACCIT		·TCTGACCGA
M.siniae	TCARGGAGARGCGCT	ZARGGRGRARGCGCTRCGRCTTGGCCCGCGCGTCGCTRPRGTTFBAGTTGBACBACBACBCTGCTGCTGCGCGC	TCGGCCGCT	ACHHGG IC Achagget	HHCAMGANGCT AACAACTT	GGGGCTGCA	ļ	CG-GCGRGCCGATCACGT	TCACGT	CGTCGAC	-GTTGRCCGRI
M.kansasii(NTCC) M.kansasiiT	TCAAGGAGAAGGCCCT	CONGGOGINGCGCT TOCODE T TGGCCCT TCGGCCGOT TOCONGGT CONCONGONG TGGCT GGGCCT GONDON	TCGCCCOT	ncnneere	UNCHINGINGE	GGGCCTGA	Ī	CD-ATCATCCGTTCACCA		CGTCGAC	-GTTGACCGA:
M.kansasiiV	TCARGGAGARGCGCT	CHAGGAGARGCGCTACGACCTGACCTGACCTGACGACTGACTACACGTCAACACGACACACAC	TEGETTER	HCHHGGTC Acabecte	AACAAGAAGCT oocoocooco	GGGCCTGAR	i	CA-ATCATCCGATCACCA	FCRCCA	CGACGAC	GCTGRCCGRI
M.cellatunII	TCONGGOGONGCGCT	CONGGOGNOGCGCT OCGOCCT CGCGCGGTGGGCCCCT NCHICAL CONCONGONGCT CGGCT CGGCT CONCONGONGCT CGGCT CGGC	TGGGCCGCT	OCONGGTC	MCANGARUC			US-HICHICCONTCACCA		CGRCGRC	GCTGACCGAI
M.tuherculosis	TCHHGGHGHGCGCTT	.HIGHUAHGCGCTACGACCTGGCCCGGGTGGGCCGCTACAAGGTCAACAAGAGCTCGGCCTGAACAC	TGGGCCGCT	ACARGGTCI	ARCANGARGET	CGGCCTGAR		CG-RGRECCCAPTICACIA			TCTGACCGA
M.bovis	TCFINGGNGNAGCGCT	CINOCONGONOCCETOCONELLO OCELEGO I COSTO I HARGOTERACARCARGARGETEGGGETEGGETEGE CINOCONGONOCCETOCONELES OCENERAS I CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR		ATARGGTCI Otoocctci	ARCARGARGCT	CGGGCTGCA	ı	CGGCGAGCCCATCACGT	CRCGT	CGTCGAC	GCTGACCGAI
M.africanum	TCARGGAGARGCGCT	*RAGGAGARGCGCTACGALCTGGCCCGCGTCGGTCGCTATAAGGTCAACAACACACACA	TCGGTCGCT	ATARGGTC	PACARGABICT		11	C-6CGAGCCCMTCACGT	COCCT	ł	CCTGACCGAI
T.hemophilum	TCRAGGAGAAGCGCT	HAGGAGAGCGCTACGACCTGGCCCGGGTTGGTCGTTACARGGTCAACARGAGGCTCGGGTTGCACGC	TTGGTCGTTI	PCHRGGTC	THCH PICH PICT	CGGGTTGCA	!!	CG-GTGAGCCCMICHCGC	CACCO	l	CCTGACCGAI
M. malmoense	TCAAGGAGAAGCGCT	://www.minulucuct.iiicanconaccontraccontraccontracconconconconconconconconconconconconcon	TGGGCCGTT	DCDDGGTC	Incorporate Table	GGGCCTGN		CC-CCONGCCGMTCACCA			-GCTGACCGAI
M.xenopi	ТСЯЯБЕЯВИВЕСЕСТ	ARGGRGARGCGCTACGRCCTGGCCCGGGTGGCCTTACARGGTTARACAGAGAGTTCACCTCACACAGAGATTCACACAGAGATTCAGAGAGAG	TGGGCGGT	ACAAGGTE ACAAGGTE	THEMPORATE			COG-AGTCGGCCGTACCCG	BCCC6	сстсейссясестенсея	GCTGACCGAI
M.scrofulaceum	TCAACCACAACCCCT	Anggnannacactnocanoctagecocagaragatactnonnantantonnannactagactagactagac	TGGGTCGCT	CONGOTO	TO CONTROLLING TO	GGGCCTGCC	!!	-CCCOCCCCCCARCCA-	HHCCB	-co-Hadd I GCGCCGACCBCCRCGACCGCTGACCGA	-CTGACCGAI
Meastri	TCAMGGAGARGCGCT	minashomatat i ntontti aastetatai Clastidi TRCAAGGT (AACAMGAAGGT) aada aasta ga ga AAGGAGAAGGCGCT ACGACT GGCTC GCGT CCCCCCT TA CAAGAGGAGGAGGAGGAGGAGAGAGAGAGAGAGAGAAGAGA		TCARGGTCF	HCARGARECT(GEGTCTGCA	ł	-CG-GCGAGCCGA-TCA-	-TCR	CGTCGTCCACGCTGACCGA	GCTGRCCGRI
M.kansasiiIV	TCHNGGNGNGCGCT	INGGNGNOGCGCTNCGNCCTGGCCCGNGTTGGCCGCTNTNNGGTCNCNRAHUL I UUULLI IHHKIKI	TGGCCGCT	TINGGTEE	INCOMENTAL I	SECTIONAL	i	-CG-ATCATCCGATCA	-TCB	CCRCCACGACGCTGACCGA	SCTGACCGAI
M.kansasiiIII	TCARGGRGRAGCGCT	ANGGAGARGCGCTACGACCTGGCCGCGTCGGCCGCTACAAGGTCAACAAGAGGTGG-CCTCAACAC	CGGCCGCTF	CRAGGTCA	ACARGRAGE T	36-CCTCAR	i	-C9-8668CCC68-1CB-	-101	CCACGACGACGCTGACGGA	GCTGDCGGNI
M.chelonae	TCANGENERACEUT ACARCETERECTERECTERECTERECTERECTERECTERE	misaniamiscae, meane i oue celebi belet-de i Herridge Erongange en gangangerene. Angangnage et meane i oue celebengangan in mengangangangangangangangangangangangangan	I GOOG-GCTF	ICHHGGTCA	IRCAMEARGET(GGCCTCAR	Ţ	CG-ATCATCCGA-TCA-	BJ-	CCACGACCACGCTGAGEGA	SCTGAGEGAI
M. abscessus	TCARGGRGRAGCGCT	ARGENGRAGCECTACGATCTGCCCCGCGTGGGTTGGTACARGGTGARCARGARGTACATCTGGGTCTGGGTCT	GGGTCGGTR	ICHREGETER	RCARGARGETE	inger Er eur		-616660066666161661 -618660166616661	CTCTGGT-	-GACTGCCACCACGCTCACCA	CTCACCGA
II,T Lavescence Consensus	TCONGONGARGECTY TCONGONGAGETY	HHÜBHÜHHÜGCGTACGACTGGCCGGGGGGGTGGGTAGAGGTCAACAAGAGGTGGGGGTACACGA	IGGGTCGGTR	CHREGTCA	ACARGARGCT	GGCATCAC	1	-GARCCGGCCGACAC	383 C8C	- AFRICCONTICCONTICUO - PARCINCIACINO POR CONTRA PARTICO DE CARCORDA - AFRICAL CARCORDA PARTICO DE CARCORDA PARTICO POR CARCORDA PARTIC	CICACCERI
			Bractuc III		NCARCANIGE 16	်ပြင်ငျိန္တရာ		on ge agelgateal	cat a	cctCgUC	CTRACCON.

Figure 6b

110	-6CTGRCCGRI -6CTGRCCGRI -6CTGRCCGRI	-GCTGACCGAI -GCTGACCGAI	-CCTGACCGAI -GCTGACCGAI -GCTGACCGAI	-CCTGACCGAI -CCTGACCGAI -TCTGACCGAI	-TCTGACCGAI -GTTGACCGAI -GTTGACCGAI	-GCTGACCGAI -GCTGACCGAI	-TCTGACCGAI	CCTGACCGAI GCTGACCGAI	-GCTGACCGAI -GCTGACCGAI CGCTGACCGAI	-CTGACCGAI CCTGACCGAI	GCTGRCCGRI GCTGRCCGRI	GCTGRGGGRI GCTCRCCGRI	CCTGRCCGA) CTRACCGA.
100	6CTCGRC 6CTCCRC	GCTCGRC					CGNCGAC		-GCTCGAC -GCTCGAC -CCTCGACCA	: :- :	-CCACCACGACGT GACGA -CCACGACGACGT GACGAA	-CCRCGRCCRCGCTGRGCGR INCTGCCRCCRCGCTCRCGR	GACCTCGACCACGCTGACCGA cctCgAC eCTgACCGA
90	TCRCCB	TCACCA	TCRCCA	TCACGT TCACGT	TCACGT TCACGT TCACGT	TCACCA TCACCA TCACCA	TCACCA	CRCGT	CHCCG	SARCCA SCTCCACACC	TCA	CTCTGGT-C	CAC
98	1111	C5-6TGRGCCGRTCRCCR- G6-6CGRGCCGRTCRCCR-	-CG-GCGGGCCGATCACCACG-GCCGAGCCCATCACCA-	CS-GCCRGCCGATCRCGT CS-GCCRGCCGATCRCGT CS-GCCRGCCGATCRCGT	CG-GCGGCCGNTCACGT CG-GCGAGCCGATCACGT CG-GCGAGCCGATCACGT	CA-ATCATCCGATCACCA- -CA-ATCATCCGATCACCA- -CG-ATCATCCGATCACCA-	!!!!	-CS-GCGGCCCMCCGT- -CS-GCGGCCCMTCACGT-	-ta-to tente cubil chickin- -cs-conneccent check- cos-retegeces reces-	-05-AGANTGCGCCARCCACCRCGACCCTGACGA -05CACCCGCGCGCGTCGAGACGTCGCCGACCACCACGACCA -05-GCGAGCCGA-TCACTTGTCACACCA	-CG-ATCATCCGA-TCA- -CG-ATCACCCGA-TCA- -C9-869CCCGA-TCA-	-OS-ATORICOOR-TCACENCORECORGET FOREIGN 	GARCCGGCCGACAC
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20	ABRINGCGCTRCGRCCTGGCCCGTGTCGGCCGCTRCRRGGTCARCRAGARGCTGGGCCTGCATGT SAGRAGCGCTRCGACCTGGCCCGGTGGCCGCTRCRRGGTCARCARGARGCTCGGCCTGCATGT SAGRAGCGTTGGCGCTGGCCCGTGTGGCCGCTRCDAGGTCARCARGARGCTCGGCCTGCCGT	omanos mostos folgos fo	GAGANGCGCTACGACCTGGCTCGCGTCGGCCGTTACARGGTCARCARARAGCTCGGTCTGARCGT- GAGANGCGCTACGACTTGGCTCGCGTGGGTCGGTTCARGGTCARCARGARGCTCGGCCTGARCGC- GAGANGCGCTTGGACTTGGCCCGATATTGGCTCGTACAAAGGTCAAAAAAAA	BARRECGCTACGACCTGGCCCGGTGGGCCCTACAAGGTCACAAGAGGTGGGCTGGGCCTGAAGGCGCTGAAGGCGCTGAAGGCGCTGAAGGCGCTGAAGGCGCTGAAGGCGCTGAAGGTCAAGAGGAGGAAGGA	THE REPORT OF THE PROCESS OF THE PROPERTY OF T	JAGANICCECTTCORICCT FOLCECTE IN CALCELT FILLINGS TOTACHROMANICCTGGGCCTGANCAC- JAGANICCGCTACCACCTGGCCCGTGTCGGCCCATTACHROGTCAACAAGAACTGGGCCTGAACAC- JAGANICCGCTACCACCTGGCCCGTGTCGGCCCGATACAAGGTCAACAAGAACACGGGCCTGAACAC-	ANDMINICAL INCUILL FLUCKLAGI IGGECEGTACANGETEANCANEANGETEGGECTGANCANA AGANGECETACANCAT GGECCGGTGGGECGCTACANGGTCANCANGANGCTCGGCCTGANCACA AGANGECETACGACTGGCCCGGTCGGTCGCTTATANGGTCANCANGANGCTCGGGCTGCATGT	CTCONCONCONC GTCAACAAGAAG GTCAACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA	GTCAACCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	IO TEMPERATURA INTERMEDIACIONES ISTERRESIAGORAS	GTCAACAAGAAG GTCAACAACAAG GTCAACAAGAAG	Nähhölöl Thearet Gaecegeggeges och Thamas Transangereggesten namadet Thamas och Secentranger och Sen Sen Sen S Namacet Thearet Gaeceges och Sen	namecut incent, ibet, Lett, beis luis HTARGITCACAAARAACTGGGCATCACCAA 1000GCGCTACGACCTGGGCCG GTgGGCCGCTACAAAAA
6	CCGCTRCRR	CCGCTACAA CCGCTACAA	CCGTTACAA TCGGTACAA	CCCCTACAR	CCCCTACAR	CCGATACHA CCGATACHA CCGATACHA	CCGCTACAA CCGCTACAAA TCGCTATAAA	FCCCTOTOR FCGCTRTRA FCGTTRFRA	CGTTACAR	CCTACARC	CGCTACAA6 CGCTATAAC CGCTACAA6	-GCTRCRRG CCGTACANG CCGTRCRRG	CGG TACANG CGc TACANG
30	16CCC6T6TC66	GCGCGTGTCGG GCCCGGGTGGG	GCTCGCGTCGG GCTCGCGTGGG GCCCGGGTGGG	99515353535	6CCGCGTCGG 6CCGCGTCGG 6CCGCGTCGG	GCCGTGTCGG GCCGTGTCGG	00000000000000000000000000000000000000	30000000000 30000000000 30000000000	CCCCTCTCCC CCRGGGTTGG	CCCCCCTCCC	ACCECETCES SCCEONETTES SCCECETCES	CCCGCGTGGG CCCGCGTGGG CCCGCGTGGG	rcco organis
ଛ .	TACGACCTG TACGACCTG TACGACCTG	INCENDETE INCENDECTE	FACGACCTG FACGACCTG FACGACCTG	TACGACCTG TACGACCTG	ACGACCTG ACGACTTG	RCGRCCTG RCGRCCTG	ACGACCTG RCGACCTG	nconcero Regrecto Regrecto	ACGACCTG(ncenico de Ncenco Ter	NCGNCCTGC NCGNCCTGC NCGNCCTGC	RCGACCTGE NCGACCTGE RCGATCTGG	ACGNECTED
1 10		TCARGGRGRAGCGCT TCAACGACAACCCT	TCARGGRGRAGGCGCTACGACCTGGCTCGCGTCGGCCGTTACARGGTCAACAAAAGCTCGGTCTGARCGT- TCARGGAGARGCGCTACGACTGGCTCGCGTGGGTTGGTACARGGTCAACAAGAGCTCGGCCTGARCGCT TCAAGGAGAAGCCTACGACCTGGCCTGGTTGGACTCGGTAAAAGAAAAAAAA	TCARGAGRARGCGCTACGACCTGGCCCGCTGGGCCGCTACAAGGTCAACAAGAGCGTGGACCTGAACGCTTAACACTAACACTTAACACTAACACTAACACTAACACTAACACTAACACTAACACTAACACTAACACTAACACTAACACTAACACTAACAAC	TCARGGAGARGCGCT TCARGGAGARGCGCT TCARGGAGARGCGCT	TCARGGARGAGGCCTACGATC TGGCCCTGTCGCCGATACABGTCARCARGAGCTGGGCCTGANCAC- TCARGGAGARGCCCTACGACCTGGCCCGTGTCGGCCGATACARGTCARCARGARGTGGGCCTGARCAC- TCARGGAGARGCCCTACGACCTGGCCCGTGTCGGCCGATACARGATCARGARGAGCTGGGCCTGARCAC-	TCARGAGARGCOCTACORCTGOCCGGTGGGCCGCTACANGGTCANCANGACTCGGCCTGANCAC TCARGAGARGCGCTACGRCTGGCCCGGGTGGGCCGCTRCARGGTGACAGARGANGCTCGGCCTGARCAC TCARGAGARGCGCTACGACCTGGCCCGCGTCGGTRARGGTCARGARGAGCTCGGGCTGCATGT	I UIINGANGINGCGETIACGACCTGGCCCGGTCGGTTGCTTANGGTCAACAAGAAGCTCGGGCTGCTTGT TCAAGGAGAAGCGETACGACCTGGCCCGGTCGGTCGCTATAAGSTCAACAAGAAGCTCGGGCTGCATGT TCAAGGAGAAGCGCTACGALCTGGCCCGGGTTGATGATATAAAAAAAAAA	TCANGGAGANGCGCTACGACCTGTGGGCCGTTACAGAGATTACAGAGATTGCAGCTGANGCCCTGAAGCCTAGAGCTGAAGCCTAGAGCCTGAAGCCGATTACAGAGAGA TCAAGGAGAGCGTTACGACCTGGCCAGGGTTGGCCGTTACAGGGTCAACAAGAGAGCTCGAGCGCGCGGCGGCGGCCGAGCCGAGCCGTACCCGTTACAGAGAGATTACAGAGAGAG	TOMOGRAPHIC COTTOCCT TOTCCOGG BOACOL INCHINA I LINICHIANNINI, TUBBICI GHICAC- TOMOGRAPHIC COTTOCCT TOCCCCCGG GGG TOCCT NOTION TOMORICAN COTTOCCT GGG CCTGCCGCC- TOMOGRAPHIC COTTOCCT TOCCT TOCCT TO THE TOTC TO THE TAMOGRAPHIC TOTAL COTTOCCT GGG TOTGC GGG TOT	TENNOGRADIO EL FILTATE I GOUCUGI COGCOCTRORAGOTORACARARGOTOGACOTORACARACA EL PROGRADO EL PROGRADO EL PROGRADO E PONOGRADIA COCOTACOTO EL GOCCOCO EL TRADOS EL PROGRADO EL PARACACA EL PARACACA EL COTAGA EL PARACACA EL COTAGA EL PARACACA EL PARACACA EL COTAGA EL PARACACA EL PARACACACACA EL PARACACACACACACACACACACACACACACACACACACA	LUMBUNGHRUGGETRGGRCTGGCCCGGGGGC-GCTRCARGGTCARCARARGCTCGGCCTCRGGR- TCANGGARGANGCGCTACGACCGCGGGGGCCGGTACARAGGTGANCARGANGCTGGGTCTTGGC	o consumento e incenta l'outuluti bisi Ilbis Ilbis Ilbis Conficente de l'outure de la confice de la confi
	M.gordonaeIV M.gordonaeII M.gordonaeIII	M.intracellulare M.gordonaeli		M.fortuitum M.fortuitum	M.genavens M.siniae		M.tuberculosis	M.africanun M.henophilum	M.Nalmoense M. Kenooi	- I I I		M.chelonae T M.abscessus T	

Figure 7a

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25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
48	44	45	46	47	- 48

Figure 7b

1	2	3	4	5	6
7	8	9	v	п	п
В	¥	រេ	ъ	Ŋ	18 *
19	20	21	22	28	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
Æ	AI	45	AG	A7	.40

Figure 7c

1	2	3	4	5	6
.7	8	9	10	11	12
В	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48